

Fan 92x92x25mm, 12V DC, IP20, KDE1209PTVX

Product codes:

Reference: AM7855

EAN13: -

UPC: 84145925

Product features:

Voltage: 12 V DC

Size: 92x92 mm

Power consumption: 4,4 W

Waterproof grade: IP20

Lifetime: 70,000 hours



Product attributes:

Product description:

The SUNON KDE1209PTVX axial fan is designed for forced cooling of electronics in limited space, typically for coolers, equipment cabinets and industrial applications. Thanks to the 4-wire connection with PWM control, it allows for smooth speed regulation and at the same time provides a tachometer signal for monitoring operation.

Technical specifications

- Model: KDE1209PTVX
 - Type: axial DC fan
 - Frame dimensions: 92 × 92 × 25 mm
 - Supply voltage: 12 V DC
 - Rated current: 0.37A
 - Rated power consumption: 4.4 W
 - Speed: 2300 rpm
 - Airflow: 45 CFM
 - Static pressure: 7.11 mm H₂O
 - Noise at full speed: 25-33 dBA
 - Noise level (low mode/temperature control): 18-22 dBA
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- Connection: 4 wires, 4pin connector (PWM + tachometer)
- Cable length: approx. 20 cm

Functions and features

- PWM speed control to optimize cooling and noise ratio
- Tachometric output for speed monitoring (fault diagnostics, supervision)
- 92 mm design suitable for coolers and cabinet positions with higher pressure requirements
- Suitable for applications requiring higher static pressure (e.g. dense finning of coolers, filters)

Ideal for

- Cooling CPU/GPU coolers and power modules
- Industrial controllers, power supplies and forced-air converters
- Cabinet ventilation of equipment with limited flow (grilles, filters, ducts)
- Service replacement of fans in compatible assemblies with 4pin PWM connector

Package contents

- Fan SUNON KDE1209PTVX

Why choose this product?

- Clearly defined electrical parameters for 12 V DC power supply
- 4pin PWM interface for speed control and integration into system supervision
- Compact size of 92 × 92 × 25 mm for wide compatibility in electronic devices
- Flow and static pressure combination suitable even for restrictive coolers

Installation and operating instructions

- Verify mechanical compatibility (dimensions 92 × 92 × 25 mm) and airflow orientation according to the arrows on the fan frame.
- Supply only with 12 V DC and size the power supply at least for the specified current with a margin.
- For PWM control, use a 4-pin connector; when connecting to another system, verify the pinout and control signal levels.
- Ensure free air flow and minimize obstacles (grilles, filters) with respect to the required flow rate.

Safety notice

- The fan is a rotating device; protect fingers and wiring from contact with the impeller during operation.
- Disconnect power before installation or servicing.
- Do not exceed the rated voltage of 12 V DC; improper power supply may result in fan damage or excessive heating.

Product gallery:

